

Title (en)

PROTAMINE PEPTIDOMIMETIC, AND PHARMACEUTICALLY ACCEPTABLE SALTS AND USE THEREOF

Title (de)

PROTAMINPEPTIDOMIMETIKUM UND PHARMAZEUTISCH AKZEPTABLE SALZE SOWIE VERWENDUNG DAVON

Title (fr)

PEPTIDOMIMÉTIQUE DE LA PROTAMINE, SES SELS PHARMACEUTIQUEMENT ACCEPTABLES ET SON UTILISATION

Publication

**EP 2982680 A1 20160210 (EN)**

Application

**EP 14778787 A 20140401**

Priority

- CN 201310109830 A 20130401
- CN 2014000376 W 20140401

Abstract (en)

The present invention discloses a protamine-like peptide and the pharmaceutical salt and use thereof. The protamine-like peptide is a linear polypeptide consisting of 9 to 20 basic amino acid residues, and the basic amino acid is one or more kinds selected from the group consisting of Arginine (Arg, R), Lysine (Lys, K) and Histidine (His, H). It has been proved that the series of protamine-like peptides and the pharmaceutical salts thereof function as the protamine to neutralize and antagonize heparin in the blood. Therefore, they can be used clinically in stead of the protamine to eliminate and neutralize the bleeding tendency caused by heparin in the blood.

IPC 8 full level

**A61K 38/08** (2019.01); **C07K 7/06** (2006.01); **A61K 38/10** (2006.01); **A61P 7/02** (2006.01); **C07K 7/08** (2006.01)

CPC (source: EP US)

**A61K 38/08** (2013.01 - EP US); **A61K 38/10** (2013.01 - EP); **A61P 7/02** (2017.12 - EP); **A61P 7/04** (2017.12 - EP); **C07K 7/06** (2013.01 - EP); **C07K 7/08** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2982680 A1 20160210**; **EP 2982680 A4 20161130**; **EP 2982680 B1 20190227**; CN 103739674 A 20140423; CN 104072587 A 20141001; CN 104072587 B 20170419; WO 2014161370 A1 20141009

DOCDB simple family (application)

**EP 14778787 A 20140401**; CN 201310109830 A 20130401; CN 2014000376 W 20140401; CN 201410129611 A 20140401